



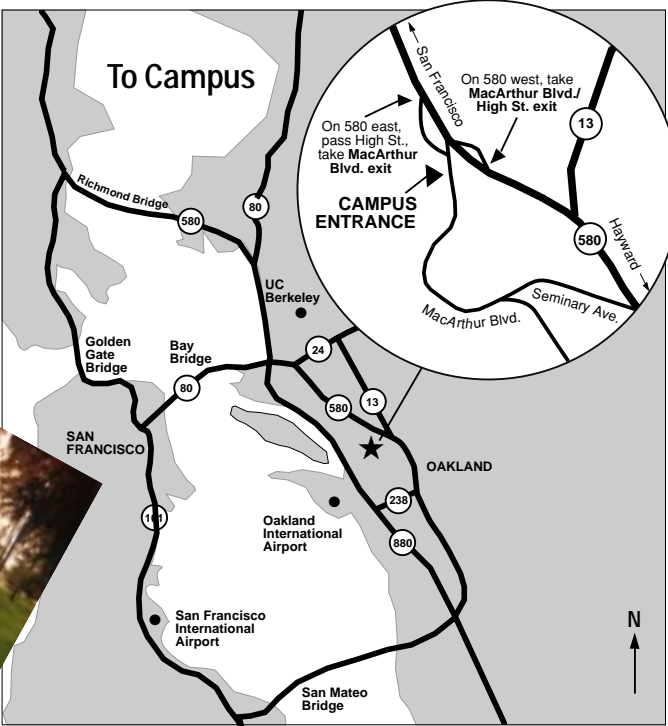
- W06 What’s Inside the Animal?**
Use a sonogram to look inside an animal.
Patricia Bacchetti, D.V.M., Veterinarian
Sarah West, D.V.M., Radiologist
- W07 Match Box Bugs**
Learn about electric circuits and build a bug.
Lisa Lemon, alumna, Mills College
Liz Posalski, student, Mills College
Sarah Richards, student, San Francisco State University
- W08 Digital Electronics**
Build a computer from wires and chips.
Ellen Spertus, Assistant Professor of Computer Science, Mills College
- W09 Create Your Own Virtual Family**
Learn the basis of computer science by understanding simple programming concepts and the Java language syntax.
Karen Teng and Lauren Lavoie
Students, Computer Science Department, UC Berkeley
- W10 Logical and Mathematical Game Design**
Learn how game designers think about creating math games and create a game of your own.
Margo Nanny, Mathematics Specialist, Math/Science Network
- W11 Carpentry for Beginners**
Learn to make a simple bookshelf.
Elizabeth Potter, Professor, Women’s Studies Program, Mills College
- W12 Our Nuclear World**
Radiation—it’s naturally everywhere! Measure it!
Elisabeth Wade, Assistant Professor, Chemistry and Physics Department, Mills College



- W13 Let’s Make Sharks Jealous!**
What it takes to keep teeth clean!
Esther Lopez, D.D.S., Dentist, California Pacific Medical Center
- W14 Careers in Health Care I**
Lynn Carlson, D.C., Chiropractor,
Elvia Villanueva, Chiropractic Assistant,
Sherri Decker, Massage Therapist, all with Advance Health Chiropractic and Rehabilitation
- W15 Careers in Health Care II**
Terri R. Dunn, M.D., Dermatologist
Marci Gottlieb, M.D., Physician practicing internal medicine



DIRECTIONS TO MILLS



The beautiful 135-acre Mills College campus is located just off the junction of Highway 580 (the MacArthur Freeway) and Highway 13 (the Warren Expressway) in the Oakland hills, about seven miles east of the Bay Bridge.

From Highway 80 or 880, take 580 going east for about 7 miles. After passing the 35th Avenue and High Street exits, take the next* MacArthur Blvd. exit. The exit will curve to the right, ending at a stop sign. Directly ahead is a stop light which marks the campus entrance on the left.

From the Warren Freeway or San Leandro and points east, take 580 west and take the MacArthur Blvd/High Street* exit immediately after the Seminary Avenue exit and the Highway 13 interchange. At the exit’s stop sign, turn left under the freeway, and immediately left again at the first stop light. The next stop light, which marks the campus entrance, will be directly ahead.

**There are three different MacArthur Blvd. exits from Highway 580, so it is important to look for the exit sequences noted above.*

SPONSORS

Mills College, Math/Science Network, Lawrence Livermore National Laboratory (EYH Consortium, Science andTechnology Education Program, HOME Campaign), Signature Theatres, ALZA, American Association for Artificial Intelligence, Applied Materials, Clarence B. & Joan F. Coleman Family Foundations, Compaq, The J.P. Morgan Chase Foundation, Solectron, The James Irvine Foundation



Scholarships are brought to you by the all-new, completely remodeled Jack London Stadium Theatre

For telephone directions, call the Mills College Directions Line at 510-430-3250.



REGISTRATION FORM

Deadline: Registration form must be received by February 28, 2003. Please register early; we can only accommodate 250 students.

Please print clearly.

Name _____
first last

Address _____

City _____ Zip _____

Phone (____) _____

e-mail (optional) _____

Type of lunch desired:
☐ Vegetarian ☐ Non-Vegetarian

Circle Your Grade Level: 6 7 8

List Workshop numbers (W01–W14) in order of interest. Please list at least 4 workshop options.

We will make an effort to accommodate your interests.

A registration fee of \$10.00 per person covers the cost of lunch and materials. Return this form (or a copy) with your registration fee(s) by February 28, 2003.

Make checks payable to:
Mills College – EYH

Mail to:
Mills 2003 EYH Conference
Mills College
Oakland, CA 94613

For additional conference information, brochures, or scholarship information, call (510) 430–2247 or send e-mail to eyh@mills.edu.

MILLS Math Science Network



Saturday, March 8, 2003



A special conference for 6th-8th grade girls in Alameda and Contra Costa counties who are interested in exploring careers that involve science and mathematics

The Math Science Network at Mills College

MILLS

Expanding Your Horizons at Mills College

In 1976, Mills hosted the very first Expanding Your Horizons Conference, organized by women educators, scientists, mathematicians, corporate representatives, and community leaders whose mission was to promote math and science education among junior high and high school girls so that a wider range of career opportunities would remain open to them. Since that first conference, half a million young women have attended nation-wide EYH conferences that have exposed them to the fascinations, challenges, and great opportunities for women in these fields.

CONFERENCE GOALS

- To increase young women's interest in mathematics and science
- To make young women aware of the great variety of career opportunities for women in math- and science-related fields
- To provide young women an opportunity to meet and form personal contacts with women working in traditionally male occupations

CONFERENCE SCHEDULE

- 8:30–9:00 Registration**
Pick up schedule/packets at Haas Pavilion
- 9:00–10:00 Opening Session, Haas Pavilion**
Welcome: Janet L. Holmgren, President of Mills College
Presentation: "Use it or lose it—it's never too late to develop your brain."
— *The Brainiacs*, Lawrence Hall of Science
- 10:15–11:45 Morning Workshops**
- 11:45–12:45 Lunch, Toyon Meadow**
- 12:45–2:15 Afternoon Workshops**
- 2:25–3:15 Closing Session, Haas Pavilion**
Composer/Performer Pamela Z, using Voice, the Powerbook, and the BodySynth

REGISTRATION INFORMATION

- Conference attendance is limited to 250. Early registration is recommended.
- Placement in workshops will be on a **first come, first served** basis. *Please list at least 4 choices on your registration form.*
- Workshop assignments will be available at 8:30 a.m. on March 8 at Haas Pavilion on the Mills College campus. A confirmation postcard indicating receipt of a registration form will be mailed. ***Bring the postcard with you to the conference to pick up your registration materials.***
- Lunch and some workshops are outdoors. Please dress accordingly.
- For additional conference information, brochures, or scholarship information, call (510) 430-2247 or send email to eyh@mills.edu.

WORKSHOPS

Workshops provide participants with an opportunity to practice science and mathematics using real science equipment and tools. We encourage *active* participation by everyone attending the workshops.

- W01 Plants Have Genes Too!**
Why do flowers come in different colors?
Sheila McCormick, Professor, UC Berkeley
- W02 The Oldest Writing: Reading the Signs of Critters**
Make a plaster cast of an animal track.
Dixie Finley, Environmental Scientist, Lawrence Livermore National Laboratory
- W03 Mathematical Design**
Try your hand at eye bending mathematical patterns.
Margo Nanny, Mathematics Specialist, Math/Science Network
- W04 Let's Make Slime!**
Fun chemistry experiments.
Joanna Gress, Araina Hansen, and Caroline Larregieu, students, Mills College
- W05 Origami Stars**
Boxes, stars, globes—the mathematics of wondrous shapes.
Sharlene Coleman, Patricia Enriquez, and Lydia Mann, alumnae, Mills College, and Alma Enriquez, student, St. Elizabeth High School



"...ooooo...it's slime!"